

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mehmet Inan, et al.

Examiner: Unassigned

Serial No.: To Be Assigned

Art Unit: Unassigned

Filed: Herewith

Docket: 15948Z

For: ALCOHOL OXIDASE 1 REGULATORY
NUCLEOTIDE SEQUENCES FOR
HETEROLOGOUS GENE EXPRESSION
IN YEAST

Dated: December 22, 2003

Commissioner for Patents
United States Patent and Trademark Office
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the references listed on the attached Form PTO-1449, be made of record in the above-identified case.

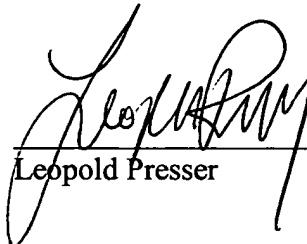
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I hereby certify that this correspondence is being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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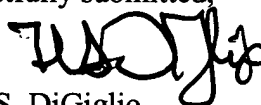

Leopold Presser

Pursuant to 37 C.F.R. §1.98(d), copies of publications are not provided, as these references were previously submitted to the Examiner in connection with the parent case, Serial Number 10/116,993, filed on April 5, 2002.

Consideration of this Information Disclosure Statement is respectfully requested, since the art provided may be material to the examination of the present application as defined under 37 C.F.R. §1.56.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Frank S. DiGiglio
Registration No. 31,346

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Garden City, New York 11530
(516) 742-4343
XZ:ab

PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	To Be Assigned
				Filing Date	Herewith
				Confirmation Number	
				First Named Inventor	M. Inan et al.
				Group Art Unit	
				Examiner Name	TBA
Sheet	1	of	4	Attorney Docket No.	15948Z

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	4,703,004	B1	Hopp et al.	10-27-1987
	2	4,782,137	B1	Hopp et al.	11-01-1988
	3	4,855,231	B1	Stroman et al.	08-08-1989
	4	5,032,516	B1	Cregg	07-16-1991
	5	5,166,329	B1	Cregg	11-24-1992
	6	5,500,483	B1	Kumagai et al.	03-19-1996
	7	5,594,115	B1	Sharma	01-14-1997
	8	5,641,661	B1	Kumagai et al.	06-24-1997
	9	5,935,824	B1	Sgarlato	08-10-1999
	10	6,033,898	B1	Sarthy et al.	03-07-2000

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

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Sheet	2	of	4	Attorney Docket No.	15948Z

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
	11	EP	0 226 752	A1	Phillips Petroleum Company	07-01-1987	
	12	EP	0 560 401	A1	Phillips Petroleum Company	09-15-1993	
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶
	13	ALTSCHUL et al., "Basic Local Alignment Search Tool." Journal of Molecular Biology, 1990, pp. 403-410, Vol. 215, No. 3.					
	14	BIRREN et al., "Sequence Analysis, A Laboratory Manual." Genome Analysis, 1997, pp. 543-559, Vol. 1, Cold Spring Harbor Laboratory Press.					
	15	CARRILLO et al., "The Multiple Sequence Alignment Problem in Biology." Siam Journal on Applied Mathematics, 1988, pp. 1073-1082, Vol. 48, No. 5.					
	16	COULSON A., "High Performance Searching of Biosequence Database." Trends in Biotechnology, 1994, pp. 76-80, Vol. 12, No. 3(122).					
	17	CREGG et al., "Functional Characterization of Two Alcohol Oxidase Genes from the Yeast <i>Pichia pastoris</i> ." Molecular and Cellular Biology, 1989, pp. 1316-1323, Vol. 9, No. 3.					
	18	CREGG et al., "Recombinant Protein Expression in <i>Pichia pastoris</i> ." Molecular Biotechnology, 2000, pp. 23-52, Vol. 16, No. 1.					

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				Group Art Unit	
				Examiner Name	TBA
Sheet	3	of	4	Attorney Docket No.	15948Z

	19	CREGG et al., "Recent Advances in the Expression of Foreign Genes in <i>Pichia pastoris</i> ." Biotechnology, 1993, pp. 905-910, Vol. 11, No. 8.	
	20	DEVEREUX et al., "A Comprehensive set of Sequence Analysis Programs for the VAX." Nucleic Acids Research, 1984, pp. 387-395, Vol. 12, No. 1	
	21	GUARENTE et al., "Fusion of <i>Escherichia coli lacZ</i> to Cytochrome c gene of <i>Saccharomyces cerevisiae</i> ." Proceedings of the National Academy of Sciences of the USA, 1981, pp. 2199-2203, Vol. 78, No. 4.	
	22	KOUTZ et al., "Structural Comparison of the <i>Pichia pastoris</i> Alcohol Oxidase Genes." Yeast, 1989, pp. 167-177, Vol. 5, No. 3.	
	23	OHI et al., "The Positive and Negative <i>cis</i> -acting Elements for Methanol Regulation in the <i>Pichia pastoris</i> AOX2 gene." Mol. Gen. Genet, 1994, pp. 489-499, Vol. 243, NO. 5.	
	24	MILLER J.H. (ed), "Experiment 48, Assay of β -Galactosidase." Experiments in Molecular Genetic, Cold Spring Harbor Laboratory, 1972, pp. 352-355.	
	25	SEARS et al., "A Versatile Set of Vectors for Constitutive and Regulated Gene Expression in <i>Pichia pastoris</i> ." Yeast, 1998, pp. 783-790, Vol. 14, No. 5.	
	26	MEINKOTH et al., "Hybridization of Nucleic Acids Immobilized on Solid Supports." Analytical Biochemistry, 1984, pp. 267-284, Vol. 138, No. 1.	
	27	TSCHOPP et al., "Expression of <i>lacZ</i> gene from two Methanol-regulated Promoters in <i>Pichia pastoris</i> ." Nucleic Acids Research, 1987, pp. 3859-3877, Vol. 15, No. 9.	

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INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

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Filing Date **Herewith**

Group Art Unit
Unassigned

U.S. PATENT DOCUMENTS

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		4,855,231	8/8/89	Stroman, et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		WO 97/12044	4/3/97	PCT				
		0 483 115A2	4/29/92	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Ellis, et al., "Isolation of Alcohol Oxidase and Two Other Methanol Regulatable Genes from the Yeast Pichia pastoris", Molecular and Cellular Biology, Salk Insistute, Vol. 5, pp. 1111-1121 (1985)

EXAMINER

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